

Water-Data Report 2008

401832074491901 Local number 210703 Alliger Obs NJ Permit Number 27-09670

Early Mesozoic basin aquifers
Passaic Formation
Mercer County, NJ

LOCATION.--Lat 40°18'32", long 74°49'19" referenced to North American Datum of 1983, Hopewell Township, Mercer County, NJ, Hydrologic Unit 02040105.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 200 ft. Upper casing diameter 6 in; top of first opening 60 ft, bottom of last opening 200 ft.

DATUM.--Land-surface datum is 150 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.3 ft above land-surface datum, Dec. 5, 2007, to present.

PERIOD OF RECORD.--Dec. 5, 2007 to current year.

GAGE.--Submersible logger pressure transducer--60 minute recording interval.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 36.22 ft below land surface, Mar. 8, 2008; lowest, 40.18 ft below land surface, Aug. 28, 2008.

EXTREMES FOR CURRENT YEAR.--Highest water level, 36.22 ft below land surface datum, Mar. 8; lowest water level, 40.18 ft below land surface datum, Aug. 28.

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DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	38.09	38.13	38.05	38.19	38.70	38.53	39.16	39.24	39.86
2	---	---	---	38.24	37.85	38.17	38.34	38.84	38.72	39.23	39.22	39.86
3	---	---	---	38.42	38.04	38.15	38.39	38.91	38.70	39.30	39.19	39.82
4	---	---	---	38.40	38.13	38.12	38.15	38.81	38.38	39.36	39.23	39.85
5	---	---	---	38.39	38.08	37.82	38.25	38.92	37.91	39.21	39.28	39.88
6	---	---	38.84	38.40	38.05	37.95	38.36	38.92	38.17	38.99	39.26	39.56
7	---	---	38.83	38.46	38.18	37.88	38.41	38.92	38.32	39.08	39.33	39.02
8	---	---	38.84	38.47	38.25	37.12	38.42	38.86	38.36	39.02	39.39	39.26
9	---	---	38.86	38.44	38.26	37.44	38.41	38.70	38.51	39.03	39.48	39.18
10	---	---	38.75	38.52	38.23	37.73	38.41	38.63	38.61	39.16	39.41	39.14
11	---	---	38.76	38.28	38.41	37.76	38.41	38.68	38.74	39.19	39.34	39.25
12	---	---	38.74	38.34	38.40	37.78	38.11	38.64	38.75	39.22	39.37	39.11
13	---	---	38.64	38.33	37.39	37.91	38.24	38.80	38.74	39.23	39.44	38.96
14	---	---	38.49	38.25	37.59	37.92	38.32	38.78	38.68	39.23	39.51	38.99
15	---	---	38.56	38.29	37.82	37.98	38.36	38.82	38.54	39.32	39.27	39.15
16	---	---	37.94	38.40	37.97	38.09	38.40	38.51	38.62	39.38	39.34	39.27
17	---	---	38.27	38.37	37.96	38.21	38.40	38.41	38.72	39.47	39.33	39.24
18	---	---	38.46	38.02	37.76	38.18	38.43	38.36	38.88	39.52	39.48	39.36
19	---	---	38.47	38.08	37.90	37.92	38.45	38.33	38.89	39.66	39.55	39.38
20	---	---	38.52	38.20	38.01	37.66	38.51	38.31	38.99	39.58	39.57	39.32
21	---	---	38.59	38.31	38.11	37.85	38.63	38.21	39.03	39.59	39.61	39.33
22	---	---	38.62	38.22	38.01	37.88	38.66	38.29	39.02	39.63	39.77	39.43
23	---	---	38.35	38.25	38.05	37.99	38.62	38.39	39.11	39.20	39.78	39.43
24	---	---	38.16	38.32	38.11	38.05	38.67	38.53	39.09	38.60	39.69	39.38
25	---	---	38.35	38.42	38.05	38.07	38.77	38.62	39.09	38.88	39.76	39.37
26	---	---	38.37	38.43	37.93	38.06	38.86	38.55	39.10	38.95	39.98	39.24
27	---	---	38.33	38.43	37.92	38.16	38.80	38.59	39.06	38.95	40.00	39.19
28	---	---	38.44	38.47	38.11	38.13	38.59	38.56	39.13	38.98	40.04	39.03
29	---	---	38.13	38.44	38.16	38.28	38.50	38.75	38.96	39.12	39.98	38.94
30	---	---	38.22	38.49	---	38.34	38.68	38.76	39.07	39.07	39.87	39.04
31	---	---	38.03	38.66	---	38.28	---	38.63	---	39.14	39.76	---
Mean	---	---	---	38.35	38.03	37.97	38.46	38.64	38.75	39.21	39.53	39.33
Max	---	---	---	38.66	38.41	38.34	38.86	38.92	39.13	39.66	40.04	39.88
Min	---	---	---	38.02	37.39	37.12	38.11	38.21	37.91	38.60	39.19	38.94

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